

Gartner Hype Cycle

Gartner

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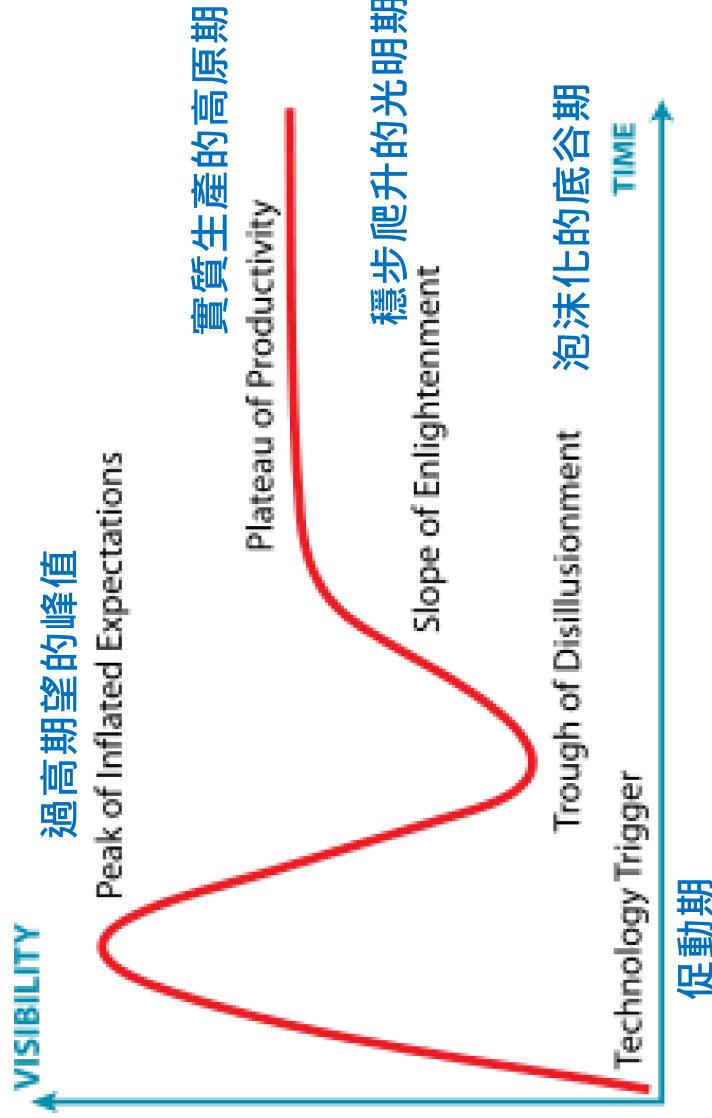
The One-Pager That Revolutionizes Strategic Planning

Simplify your approach — but be prepared to pivot.

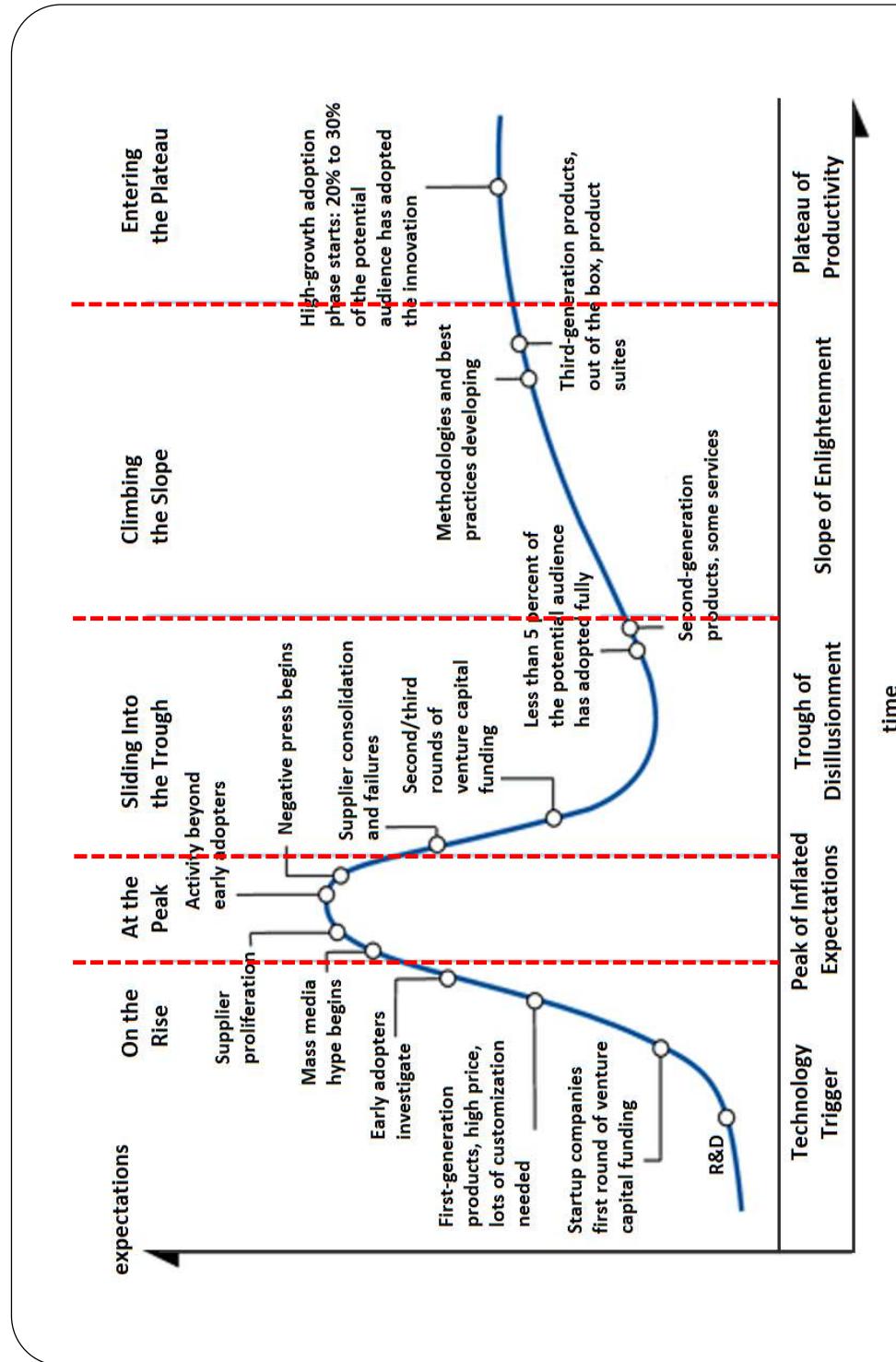
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<https://www.gartner.com/en>

技術成熟曲線 (Gartner Hype Cycle)



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稍後觀看 分享

Gartner Hype Cycles

chart the path an innovation takes

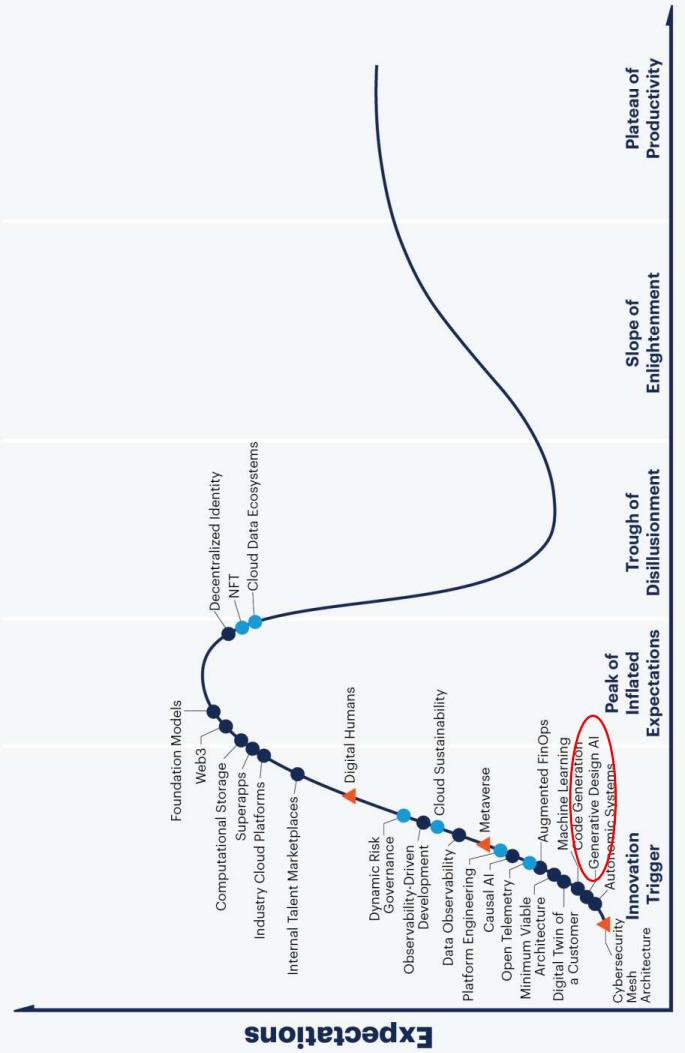
更多影片

▶ 🔍 0:43 / 3:36

<https://youtu.be/jB1RDz9jaj0>

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Hype Cycle for Emerging Tech, 2022

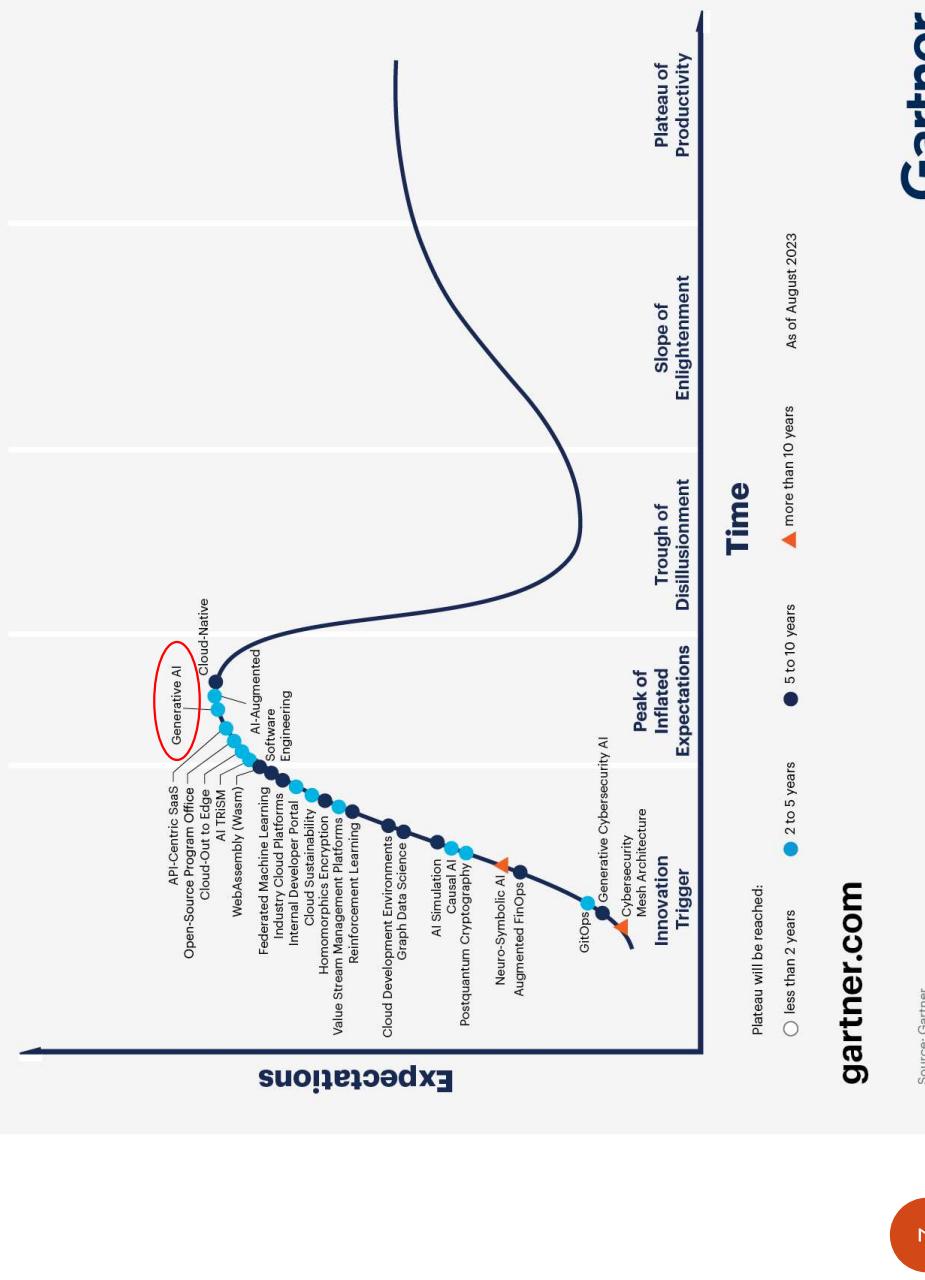


Plateau will be reached:

○ less than 2 years ● 2 to 5 years ● 5 to 10 years ▲ More than 10 years ✖ Obsolete before plateau

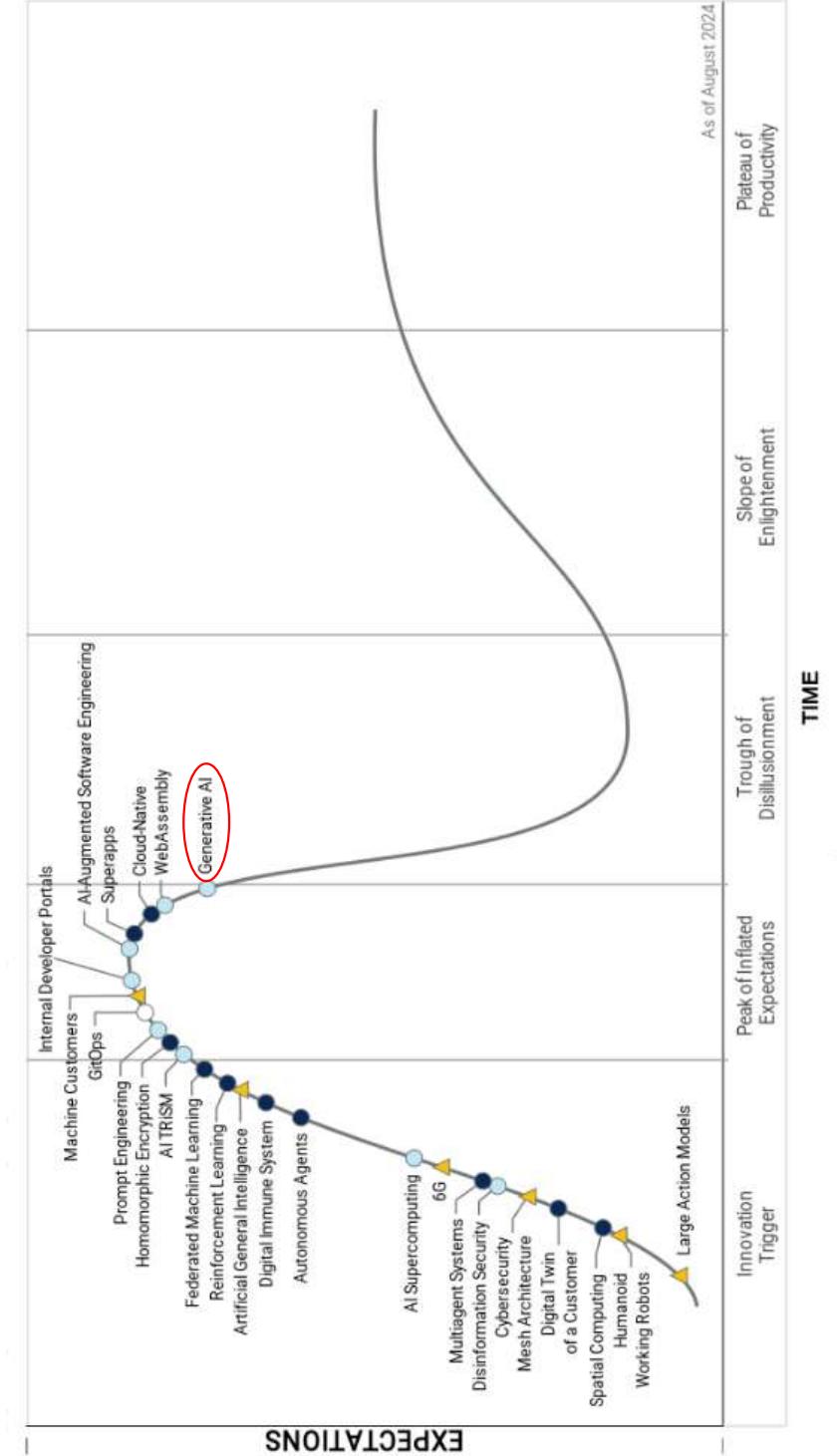
As of August 2022

Hype Cycle for Emerging Technologies, 2023



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Emerging Technologies, 2024



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Hype Cycle for Artificial Intelligence, 2024



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<https://www.youtube.com/watch?v=DKqEcThm7gU&t=24s>

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5 項人臉辨識在AIoT智慧物聯網的常見應用

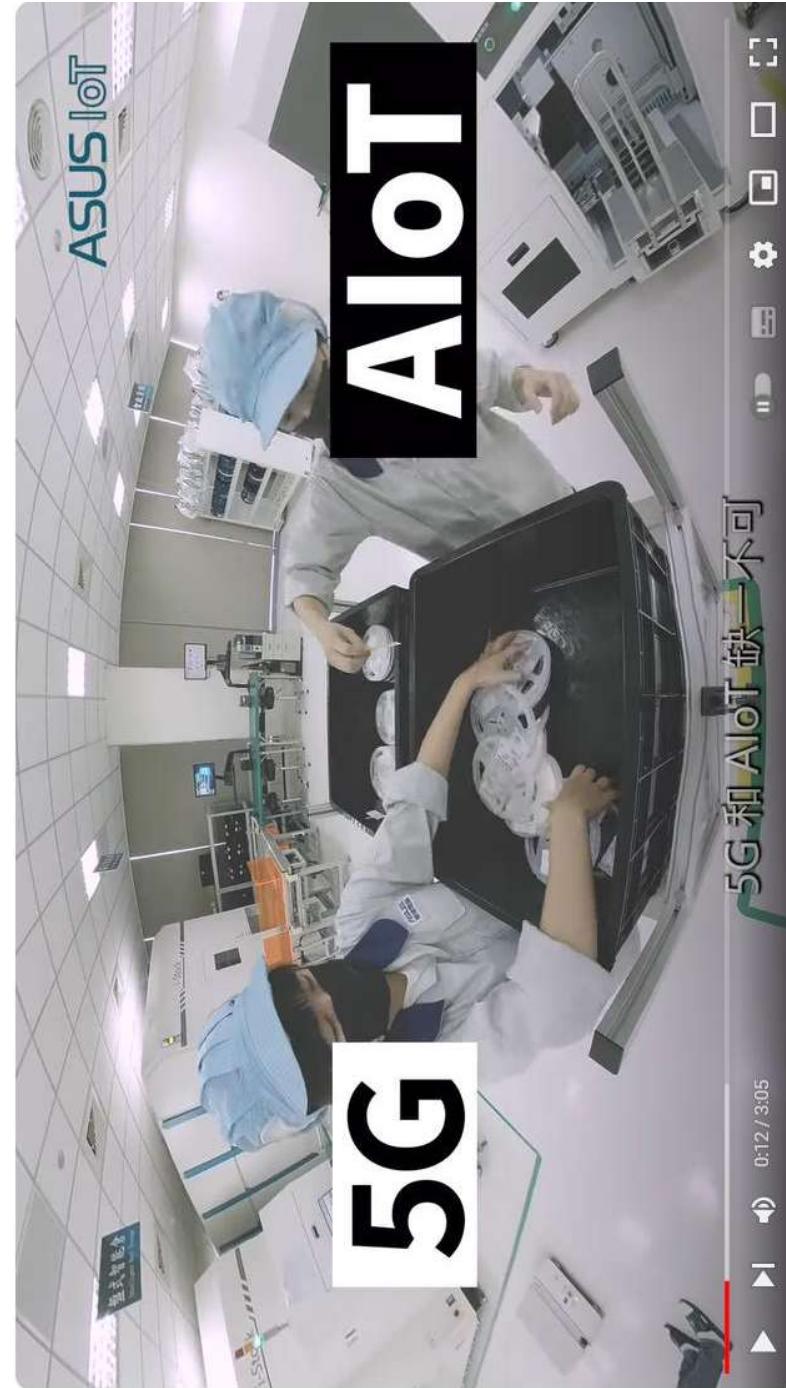
AIoT/IoT

2022/06/30



<https://tw.cyberlink.com/faceme/insights/articles/221/aiot-and-facial-recognition-applications>

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<https://www.youtube.com/watch?v=Rw4hl2lr2-0&t=11s>

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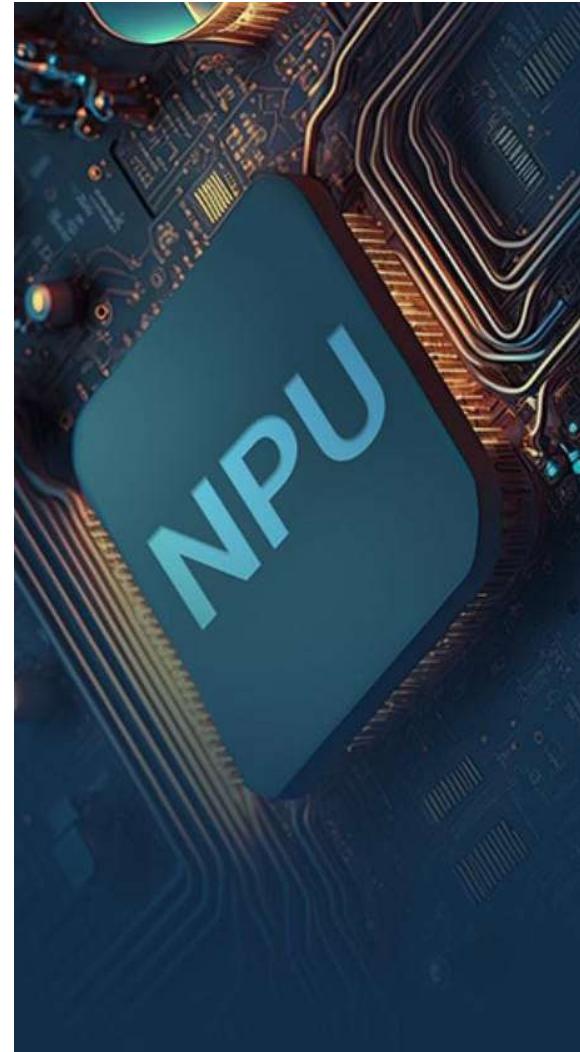
Top 6 edge AI trends—as showcased at Embedded World 2024

6 trends

- 1** NVIDIA becoming a key edge (AI) computing company
- 2** Simplifying on-device AI inferencing processes for developers
- 3** AI model training shifting to the thick edge
- 4** Accelerating micro- and thin-edge AI through NPU integration
- 5** Localizing autonomous decision-making via cellular-connected micro- and thin-edge AI
- 6** Tiny AI/ML bringing micro-edge AI capability to traditional devices

* = according to how IoT Analytics defines the edge.

Source: IoT Analytics Research 2024: Embedded World 2024 Event Report. We welcome republishing of images but ask for source citation with a link to the original post and company website.



<https://blog.qnap.com/zh/%E4%BB%80%E6%96%87%E7%9C%8B%E6%87%87%82-cpu-gpu-npu-tpu-%E6%98%AF%E4%BB%80%E9%BA%BC/>

輝達GPU勁敵？英特爾、超微也在搶 AI PC少不了 NPU？

2025.02.12 / 14:32 /工商時報 徐建峰 [2](#)

#NPU #GPU #輝達 #AI

	NPU（神經網路處理器）	CPU（中央處理器）	GPU（圖形處理器）
用途	加速AI運算學習	通用計算	圖形處理、平行計算
架構	神經網路	通用	通用
計算方式	高效矩陣計算、張量處理	順序運算、多工處理	高並行度的浮點計算
功耗	低	中	高
效能（特定裝置上）	高	低	中

<https://www.ctee.com.tw/news/20250212701042-430502>